**PATENT** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (Case No. 05-720-US2)

In application of )				
	J. Kouvetakis, et al.	) ) I	Examiner: Reema Patel	
Seria	l No. 10/559,981	<i>)</i> )		
		) (	Group Art Unit: 2812	
Filed	: September 5, 2006	)		
For:	GeSn Alloys and Ordered Phases With Direct Tunable Bandgaps Grown Directly on Silicon	) ) )	Confirmation No.: 6588	
Comr	nissioner for Patents			
PO B	ox 1450			
Alexa	andria, VA 22313-14501			

#### CONSENT OF ASSIGNEE UNDER 37 C.F.R. § 1.48(a)(5)

Dear Sir:

As an officer of the Arizona Board of Regents, a corporate body organized under Arizona Law, acting on behalf of Arizona State University, the assignee of the above-referenced application, and having the power to act on its behalf, I hereby consent to the change of inventorship that is being requested herewith for the referenced application.

In accordance with 37 C.F.R. § 3.73(b), a copy of the executed assignment of the application to the Arizona Board of Regents, a corporate body organized under Arizona Law, acting on behalf of Arizona State University from the currently named-inventors John Kouvetakis, Matthew Bauer, Jose Menendez, and John Tolle has been recorded in the assignment records of the Office Reel/Frame: 019558/0544 in order to establish chain of title in the application. This executed assignment was recorded by U.S. Patent Office on July 11, 2007. Also attached to this consent are an executed statements under 37 C.F.R. § 1.48(a)(2) from Chang Wu Hu and Ignatius S.T. Tsong who are being removed as an inventor by the present request.

Date: 3/14/09
By: Set H lera

Beth H. Israel

Associate Vice President for Research

Case No.: MBHB No. 05-720-US2

#### DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### GESN Alloys and Ordered Phases With Direct Tunable Bandgaps Grown Directly on Silicon

the specification of which is attached hereto unless the following space is checked:

was filed on <u>September 5, 2006</u> as United States Application Serial Number or PCT International Application Number 10/559,981.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Number Country Day/Month/Year Filed
PCT/US04/018961 PCT June 14, 2004

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number Filing Date
1. 60/478,480 June 13, 2003

I hereby appoint the practitioners associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and I direct that all correspondence be addressed to that Customer Number.

Customer Number: 020306

Principal attorney or agent: David S. Harper

Telephone number: 312-913-0001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inven	
Inventor's signature:	7032 E. Indigo, Mesa, Arizona 85207 USA USA 7032 E. Indigo, Mesa, Arizona 85207 USA
	1002 Li Lilligg, sizula, Falebila 60207 Guis
Full name of second join	nt inventor: Matthew Bauer
Inventor's signature:	Date:
Residence:	6783 NE Vinings Way, #1136, Hillsboro, Oregon 97124 USA
Citizenship;	USA
Post Office Address:	6783 NE Vinings Way, #1136, Hillsboro, Oregon 97124 USA
Full name of third joint	ioventor: Jose Menendez
Inventor's signature:	Date:
Residence;	309 E. 14th Street, Tempe, Arizona 85281 USA
Citizenship:	USA
Post Office Address:	309 E. 14th Street, Temps, Arizona 85281 USA
	/
Full name of fourth join	nt inventor; John Tolle
Inventor's signature:	Date: 3/9/09
Residence:	1489 S. Dove Street, Gilbert, Arizona 85233 USA
Citizenship:	USA
Post Office Address	1480 S. Davis Street Gilbert Advance 95732 1194

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first invent	or: John Kouvetakis	
Inventor's signature:		
Residence: Citizenship:	7032 E. Indigo, Mesa, Arizona 85207 USA USA	
Post Office Address:	7032 E. Indigo, Mesa, Arizona 85207 USA	
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	nt inventor: Matthew Bauer	
Inventor's signature:	Matthetan Date: 3/0	1/09
Residence: Citizenship:	274 Wilcox St, Hillsboro, Oregon 97124	
Post Office Address:	USA	
	274 Wilcox St, Hillsboro, Oregon 97124	
Full name of third joint i	inventor: Jose Menendez	
Inventor's signature:	Date:	
Residence:	309 E. 14th Street, Tempe, Arizona 85281 USA	
Citizenship:	USA	
Post Office Address:	309 E. 14th Street, Tempe, Arizona 85281 USA	
Full name of fourth join	t inventor: John Tolle	
Inventor's signature:	Date:	
Residence:	1489 S. Dove Street, Gilbert, Arizona 85233 USA	
Citizenship: Post Office Address:	USA 1489 S. Dove Street, Gilbert, Arizona 85233 USA	
i usi Unice Addiess.	1402 3. DOYE SHEEL, CHOCK, MIZONA 02233 USA	

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I dil lidito di lust lilveli	ioi. John Konvetaris
Inventor's signature:	Date:
Residence: Citizenship:	7032 E. Indigo, Mesa, Arizona 85207 USA USA
Post Office Address:	7032 E. Indigo, Mesa, Arizona 85207 USA
Full name of second joi	nt inventor: Matthew Bauer
Inventor's signature:	Date:
Residence:	6783 NE Vinings Way, #1136, Hillsboro, Oregon 97124 USA
Citizenship:	USA
Post Office Address:	6783 NE Vinings Way, #1136, Hillsboro, Oregon 97124 USA
Full name of third joint Inventor's signature:	J. 7 enender Date: 4/21/09
Residence:	309 E. 14th Street, Tempe, Arizona 85281 USA
Citizenship:	USA /
Post Office Address:	309 E. 14 <sup>th</sup> Street, Tempe, Arizona 85281 USA
Full name of fourth join	t inventor: John Tolle
Inventor's signature:	Date:
Residence:	1489 S. Dove Street, Gilbert, Arizona 85233 USA
Citizenship:	USA
Post Office Address:	1489 S. Dove Street, Gilbert, Arizona, R5233 USA

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Serial	No. 10/559,981	)	,
Filed:	September 5, 2006	) }	Group Art Unit: 2812
For:	GeSn Alloys and Ordered Phases With Direct Tunable Bandgaps Grown Directly on Silicon	) ) )	Confirmation No.: 6588
PO B	nissioner for Patents ox 1450 odria VA 22313-14501		

## STATEMENT IN SUPPORT OF THE REQUEST TO CORRECT INVENTORSHIP UNDER 37 C.F.R. §1.48(a)(2)

Siz:

I, Chang Wu Hu, submit this statement in support of the request under 37 C.F.R. §1.48(a)(2) to correct the inventorship of the above-identified application.

I hereby state that the error of including me as an inventor on the above-identified application occurred without deceptive intention on my part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

		Respectful		
Dated:	April 15, 2009	By:		
		Chang Wu Hu		

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# STATEMENT IN SUPPORT OF THE REQUEST TO CORRECT INVENTORSHIP UNDER 37 C.F.R. §1.48(a)(2)

Sir:

; ::::

I, Ignatius S.T. Tsong, submit this statement in support of the request under 37 C.F.R. §1.48(a)(2) to correct the inventorship of the above-identified application.

I hereby state that the error of including me as an inventor on the above-identified application occurred without deceptive intention on my part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully,

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Dated: 3/16/09

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Ignatius S.T. Tsong